

From: [Bilhimer, Dustin \(ECY\)](#)
To: PUGETSOUND-OXYGEN@LISTSERV.ECOLOGY.WA.GOV
Subject: FW: New Ecology poster: Spatial Distribution of Benthic Macroinvertebrate Biomass in PS – Establishing a Baseline
Date: Tuesday, June 19, 2018 3:53:55 PM

The new poster (announced below) from Ecology's Environmental Assessment Program may be of interest to many of you.

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Puget Sound Nutrient Source Reduction Project web page:

<https://ecology.wa.gov/Water-Shorelines/Puget-Sound/Helping-Puget-Sound/Reducing-Puget-Sound-nutrients>

From: Olegre, Diana (ECY)

Sent: Tuesday, June 19, 2018 11:46 AM

The poster, **Spatial Distribution of Benthic Macroinvertebrate Biomass in Puget Sound – Establishing a Baseline**, is available at <https://fortress.wa.gov/ecy/publications/SummaryPages/1803020.html>.

In 2016, a biomass and size-classification component was added to the suite of benthic community indices analyzed by Ecology's [Marine Sediment Monitoring Program](#). Biomass and size of benthic organisms can provide valuable information on:

- **Productivity** - nutrient cycling.
- **Ecosystem function** - feeding, bioturbation.
- **Stability** of benthic communities over time.
- **Size structure** not captured by abundance data.
- **Effects of stressors** on size and development of individual organisms.

Objective: Establish the first large-scale baseline of benthic macroinvertebrate biomass for Puget Sound.

This poster was presented at the Salish Sea Ecosystem Conference, April 2018, Seattle, WA.

If you have questions, contact Dany Burgess at 360-407-6685 or dany.burgess@ecy.wa.gov.

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